

## **Draft Alternatives - Oldham County Environmental Authority, Regional Facility Plan, South Floyds Fork Planning Area**

### **Public Hearing - August 27, 2012**

In 2001, Oldham County Environmental Authority (OCEA) and the Louisville and Jefferson County Metropolitan Sewer District (MSD) reviewed several alternatives for providing wastewater collection and treatment for existing and future customers in the South Floyds Fork Planning Area and recommended a plan to regionalize treatment at MSD's Floyds Fork Water Quality Treatment Center (WQTC).

Prior to implementing this plan, MSD entered into a Consent Order with the USEPA that required MSD to eliminate existing package type treatment plants in their Floyds Fork Planning Area and the Jeffersontown WQTC. MSD is expanding the Floyds Fork WQTC to provide treatment to eliminate and regionalize treatment in their planning area but did not include capacity to provide treatment for OCEA's South Floyds Fork Planning Area or other smaller treatment plants in the South Floyds Fork Planning Area in Shelby County.

These developments have changed the implementation schedule, assumptions and costs for OCEA to regionalize treatment at MSD's Floyds Fork WQTC. Due to these changes, OCEA Board of Directors has requested staff to develop and evaluate alternatives for providing wastewater service in the South Floyds Fork Planning Area. The alternatives that have been selected for development and analysis are:

1. Ash Avenue Wastewater Treatment Plant Alternative: Construct a new wastewater treatment plant on the existing site and decommission the existing Ash Avenue and Country Village WWTPs. This alternative would require the construction of a new pump station at the County Village WWTP and sewers, as required to convey the sewage to the new WWTP.
2. MSD Floyds Fork Water Quality Treatment Center Alternative: Decommission the Ash Avenue and Country Village WWTPs and convey the wastewater to the MSD's Floyds Fork WQTC. This alternative would require the construction of a new pump station at the Ash Avenue and Country Village WWTPs and sewers, as required to convey the sewage to the Floyds Fork WQTC. MSD would provide treatment and the effluent would be discharged to Floyds Fork through MSD's existing outfall. The existing tanks at the Ash Avenue WWTP maybe renovated and used for wet weather storage in this alternative.
3. South Floyds Fork Regionalize Wastewater Treatment Plant Alternative: Construct a new wastewater treatment plant on the grounds of the KJC Institute for Women. The new WWTP will be adequately sized to treat flow projections for OCEA's South Floyds Fork Planning Area and the Institute for Women. The existing Ash Avenue, Country Village and Institute for Women WWTPs would be decommissioned. This

alternative would require the construction of a new pump station at the Ash Avenue and County Village WWTP and sewers, as required to convey the sewage to the new WWTP site. The existing tanks may be renovated and used for wet weather storage. Effluent from the new WWTP would be discharged using the existing Ash Avenue WWTP and Institute for Women effluent outfalls. Effluent treatment standards will be based on maintaining the same mass loading that is allowed under the current KPDES permits.

4. Crestwood and South Floyds Fork Planning Areas, Regional Wastewater Treatment Alternative: This alternative is based on providing regional treatment at the proposed new treatment plant in the Crestwood Planning Area. This alternative is only feasible if OCEA constructs a new wastewater treatment plant in the Crestwood Planning Area. The existing Ash Avenue, Country Village and Institute for Women WWTPs would be decommissioned and the flow from these facilities would be treated at a single regional wastewater treatment plant and discharged to Hite Creek. New pump stations and a conveyance system would be required at the Ash Avenue, County Village WWTP and Institute for Women to convey the sewage to the new WWTP site. The existing tanks may be renovated and used for wet weather storage in this alternative.
5. No Action Alternative: This alternative assumes that OCEA will not maintain, renovate or replace the existing wastewater treatment systems. The systems would eventually fail and the customers and new developments in the planning area would be required to construct individual treatment systems or store the wastewater for hauling by contract septic haulers for treatment and disposal.

## **Regional Facility Plan Requirements**

The objective of the RFP is to provide a long-range plan for providing sanitary sewer service in the South Floyds Fork Planning Area that meet both the Kentucky Division of Water (DOW) and OCEA goals and objectives.

The development and submittal of a Regional Facility Plan (RFP) is required by the DOW under Kentucky Administrative Regulations (KAR), Title 401, as defined in regulation section 401 KAR 5:006. DOW has found it necessary to require the development of a RFP to address water quality and public health concerns. This regulation requires a RFP to be developed and submitted if:

- (a) A new wastewater treatment facility is proposed for construction within the planning area;
- (b) An existing regional planning agency proposes to expand the average daily design capacity of an existing wastewater treatment facility by more than thirty (30) percent; or
- (c) The equivalent population served by an existing wastewater collection system or a system with a Kentucky Inter-System Operating Permit is proposed for

expansion by more than thirty (30) percent of the population served in the previously approved regional facility plan.

- (d) The date of the last approved regional plan is more than 10 years. Regional Planning agencies must submit either an Asset Inventory Report or an updated Regional Facility Plan every 10 years.

OCEA is proceeding with the development of an updated RFP that meets DOW requirements since several of the alternatives being considered in the planning area will qualify under items (a) and (b) and the DOW has requested OCEA develop and submit either an updated RFP or Asset Inventory Report for all planning area since the last approved RFP is 10 years old.

## **Objectives of the Regional Facility Plan**

OCEA has established objectives that correspond to goals of the objectives listed in DOW's, Regional Facility Plan Guidance Document, 2010. The goals and objectives that will shape the development of alternatives and recommended implementation plan are listed below:

- Provides a 20-year plan that meets the needs of the planning area in a cost-effective manner that limits current and future impacts to utility rates.
- Meets established environmental standards and regulations.
- Provides flexibility to serve existing and future needs beyond the planning period.
- Provides a process that allows Oldham County representation related to future direction of the utility and rates.
- Develops a regional approach for wastewater services.
- Has the flexibility to adapt to changes in DOW regulation that may require the plant effluent to be discharged directly to the Ohio River.
- Minimizes financial, legal and administrative barriers that may prevent the complete and timely implementation of the plan objectives..

## **Public Hearing**

The Oldham County Environmental Authority (OCEA), 700 West Jefferson Street, LaGrange, KY 40031 is beginning the development of a Regional Facility Plans (RFP) containing wastewater requirements for collection and treatment and its costs, for the South Floyds Fork Planning Areas. Several package type wastewater treatment plants that include the Ash Avenue and County Village wastewater treatment plants currently serve this planning area. The RFP will also consider alternatives in the South Floyds Fork Planning Area that will provide treatment to allow the existing Kentucky State Women's Prison, Wastewater Treatment Plant to be eliminated and decommissioned.

Interested citizens may obtain further information and view the boundaries of the planning areas and locations of the existing wastewater treatment plants at the OCEA and

Kentucky Division of Water websites <http://www.oldhamcountysewer.com/> or by calling OCEA Facility Plan, Project Manager Ed Basquill at 502-225-9477, between the hours of 9 a.m. and 4 p.m., Monday thru Friday.

A public hearing will be held on August 27, 2012 at 6:00 p.m. at the OCEA office 700 West Jefferson Street, LaGrange, KY 40031. The purpose of the hearing is to review the collection and treatment alternatives that will be evaluated to provide wastewater collection and treatment in the South Floyds Fork Planning Area. The existing treatment plants have been in service for 30 to 40 years and need to be replaced or rehabilitated to provide treatment for existing and future capacity. A second public hearing will be held after development, analysis and the selected alternative is recommended for consideration and approval by OCEA's Board.

The public is encouraged to attend this meeting and shall have a right to comment on the alternatives and RFP development for a period of 30 days from the date of publication of this notice by writing to the above address or before the termination of the hearing whichever is later. A longer comment period may be requested in writing. Anyone who believes any of the collection and treatment alternatives being considered is inappropriate, inaccurate, incomplete or otherwise not in the best interest of the public and environment must raise all reasonable issues and submit all reasonable arguments, facts and comments with supporting documents to the above give contact person.